

WHAT IS CLAIMED IS:

- 1 1. A bookbinding method, comprising:
2 binding two or more sheets into a text body having an exposed spine bounded
3 by two exposed side hinge areas;
4 applying solid pressure sensitive adhesive film between a cover and the side
5 hinge areas of the text body; and
6 binding the cover to the side hinge areas of the text body by applying pressure
7 to the cover.
- 1 2. The bookbinding method of claim 1, wherein the solid pressure
2 sensitive adhesive film is applied to the cover before contacting the side hinge areas
3 of the text body.
- 1 3. The bookbinding method of claim 2, wherein the solid pressure
2 sensitive adhesive film is applied to the cover as two strips spaced apart by a width
3 dimension that is at least as wide as the exposed spine of the text body.
- 1 4. The bookbinding method of claim 1, further comprising applying the
2 solid pressure sensitive adhesive film between the cover and the exposed spine of the
3 text body.
- 1 5. The bookbinding method of claim 4, wherein the solid pressure
2 sensitive adhesive film is applied as a single continuous strip with a width dimension
3 that is wider than the exposed spine of the text body.
- 1 6. The book binding method of claim 4, wherein the solid pressure
2 sensitive adhesive film is applied in a series of multiple strips over an area
3 corresponding to the side hinge areas and the exposed spine of the text body.
- 1 7. The bookbinding method of claim 1, wherein the solid pressure
2 sensitive adhesive film comprises a pressure sensitive adhesive composition
3 laminated to a hot melt adhesive film.
- 1 8. The bookbinding method of claim 7, wherein:

2 binding two or more sheets to the text body comprises:
3 applying the solid pressure sensitive adhesive film with the hot melt
4 adhesive film in contact with the side hinge areas and the
5 exposed spine of the text body; and
6 melting the hot melt adhesive film to bind the two or more sheets into
7 the text body; and
8 binding the cover to the side hinge areas of the text body comprises disposing
9 the cover over the text body and applying pressure to the cover to activate the
10 pressure sensitive adhesive composition.

1 9. A bookbinding system, comprising:
2 a sheet binder configured to bind two or more sheets into a text body having
3 an exposed spine bounded by two exposed side hinge areas;
4 an adhesive dispenser configured to apply a solid pressure sensitive adhesive
5 film between a cover and the side hinge areas of the text body; and
6 a cover binder configured to bind the cover to the side hinge areas of the text
7 body by applying pressure to the cover.

1 10. The bookbinding system of claim 9, wherein the adhesive dispenser is
2 configured to apply a solid pressure sensitive adhesive film to the cover in a series of
3 spaced-apart strips.

1 11. The bookbinding system of claim 9, wherein the adhesive dispenser
2 comprises a plug-in cartridge housing.

1 12. The bookbinding system of claim 11, wherein the adhesive dispenser
2 comprises a supply spool disposed within the plug-in cartridge housing and
3 configured to support a roll of pressure sensitive adhesive tape formed from a solid
4 pressure sensitive adhesive film disposed on a carrier ribbon.

1 13. The bookbinding system of claim 12, wherein the adhesive dispenser
2 comprises a take-up spool disposed within the plug-in cartridge housing and
3 configured to reel-in spent carrier ribbon.

1 14. An adhesive dispenser, comprising:
2 a plug-in cartridge housing configured to plug into a receptacle of a
3 bookbinding system;
4 a supply spool disposed within the plug-in cartridge housing and configured to
5 support a roll of pressure sensitive adhesive tape formed from a solid pressure
6 sensitive adhesive film disposed on a carrier ribbon; and
7 a take-up spool disposed within the plug-in cartridge housing and configured
8 to reel-in spent carrier ribbon.

1 15. A bookbinding method, comprising:
2 collecting two or more sheets into a text body having an exposed spine
3 bounded by two exposed side hinge areas;
4 applying to the text body an adhesive sheet comprising a hot melt adhesive
5 film and a backing, with the hot melt adhesive film in contact with the side hinge
6 areas and the spine of the text body;
7 exposing the hot melt adhesive in areas corresponding to the side hinge areas
8 of the text body;
9 disposing a cover over the text body; and
10 melting the hot melt adhesive to bind the two or more sheets at the text body
11 spine and to bind the cover to the side hinge areas of the text body.

1 16. The bookbinding method of claim 15, wherein the backing includes
2 one or more slits, and exposing the hot melt adhesive comprises stretching the
3 backing in the side hinge areas to expose the hot melt adhesive through the slits.

1 17. The bookbinding method of claim 15, wherein exposing the hot melt
2 adhesive comprises removing the backing in areas corresponding to the side hinge
3 areas of the text body.

1 18. The bookbinding method of claim 15, wherein exposing the hot melt
2 adhesive comprises folding edges of the adhesive sheet back over at least a portion of
3 each of the side hinge areas.

1 19. An adhesive sheet, comprising:
2 a hot melt adhesive film; and
3 a backing layer attached to the hot melt adhesive film and having one or more
4 slits extending in a substantially longitudinal direction and configured to expose the
5 hot melt adhesive upon stretching of the backing layer in a direction substantially
6 orthogonal to the longitudinal direction.

1 20. The adhesive sheet of claim 19, wherein the backing comprises a
2 staggered array of slits.